

the substrate, and a plurality of independent areas are formed on the surface of the substrate;

capturing means for capturing each of the cells one by one separately on each of the areas; and

temperature control means' for heating the surface of the substrate at one area of the areas to a predetermined temperature to destroy the cell captured at the one area of the areas, to liberate cell components from the cell captured at the one area of the areas into the separation cell, wherein, by introducing a washing solution into the separation cell, whereby the cells at the areas, except for the one area of the areas, remain on the areas, respectively, the washing solution is recovered to recover the cell components liberated from the cell; and

wherein, by changing a position of the one area of the areas, the washing solution is recovered to recover the cell components liberated from the cell for each of the areas.

--31. A cell component recovering apparatus according to claim 30, wherein the cell is a white blood cell.

--32. A cell component recovering apparatus according to claim 30, wherein the capturing means comprises means for

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applying an alternating field onto the surface of the substrate.

--33. A cell components recovering apparatus according to claim 30, further comprising means for applying a DC field onto a surface of the one of the one area of the areas in a solution which contains no polynucleotide and has a pH value of 4 or lower, to attract nucleotide components to the surface of the one of the identified positions.

--34. A cell components recovering apparatus comprising:
a substrate being disposed in a separation cell, wherein the sample solution containing cells is supplied on a surface of the substrate, and a plurality of independent areas are formed on the surface of the substrate;

capturing means for capturing each of the cells one by one separately on each of the areas;

means for identifying the positions of the areas where the cells to be destroyed are present; and

temperature control means for heating the surface of the substrate at one of the identified positions to a predetermined temperature to destroy the cell captured at the area of the one of the identified positions, to liberate cell

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components from the cell captured at the area of the one of the identified positions into the separation cell, wherein, by introducing a washing solution into the separation cell, whereby the cells at the areas, except for the area at the one of the identified positions, remain on the areas, respectively, the washing solution is recovered to recover the cell components liberated from the cell; and

wherein, by changing a position of the identified positions, the washing solution is recovered to recover the cell components liberated from the cell for each of the identified positions.

--35. A cell component recovering apparatus according to claim 34, wherein the cell is a white blood cell.

--36. A cell component recovering apparatus according to claim 34, wherein the capturing means comprises means for applying an alternating field onto the surface of the substrate.

--37. A cell component recovering apparatus according to claim 34, further comprising means for applying a DC field onto a surface of the one of the identified positions in a solution which contains no polynucleotide and has a pH value